



Correct represents the state when the control parameters (e.g. PID parameters) are set correctly. Incorrect in turn represents the situation when the parameters are set incorrectly. The fan out of 2 here captures the notion that an attack may be unsuccessful (e.g. the attacker gets detected and blocked before she can alter the control configuration). Similarly, the repair may be attempted fast, but may be ineffective.

The activity **Detection_window** models the fact that there is a small window of up to 3 cycles of 50 microseconds. If nothing gets done within this window, the channel will be marked as failed unsafely (as it will produce incorrect output for longer than 3 cycles). Check the parameterisation of this activity. Currently it is a normal distribution with mean = 125 microseconds (i.e. the middle between 2 and 3 cycles of 50 microseconds) and standard variation of 10 microseconds.